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(54) Title: PROCESS OF INERTIZATION (DAMPENING) OF STEEL MAKING SLAG FOR ECONOMICAL REUSE

(57) Abstract: Is a process intended on reducing the volumetric expansion of steel slag through hydration and carbonation of the free magnesium and calcium oxides contained in the slag. The process is initiated with the preparation of a inertization yard, where the slag will be homogenously distributed until a previously defined thickness is achieved, being, later on, aerated and dampened, which will accelerate the hydration and carbonation chemical reactions on most of the free calcium and magnesium, which are the main responsible for the volumetric expansion of the steel slag, making the slag suitable for use in road works.



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